Likely Feedstock-Fuel Pathways to be considered for calculating carbon intensities for the LCFS

(Note: the GREET column indicates if the pathway is available in either the current GREET or the CA modified GREET; for heavy oil, AB 1007 effort used simple measures to calculate pathway impacts.* indicates that either added in AB 1007 work or could be added to GREET with some effort. So coarse estimate for AB 1007. is available in a new version of GREET)

	FEEDSTOCK	PROCESS	LOCATION	OTHER	FUEL	GREET	STATUS
	CRUDE (light and heavy)	REFINING	49 States		CARBOB	Y	CURRENT
	CRUDE (light and heavy)	REFINING	CALIFORNIA		CARBOB	Y	CURRENT
C	CRUDE (light and heavy)	REFINING	OVERSEAS		CARBOB	Y	CURRENT
R	TAR SANDS	REFINING	N.AMERICA		CARBOB	N*	CURRENT
U	CRUDE (light and heavy)	REFINING	49 States		ULSD	Y	CURRENT
\mathbf{D}	CRUDE (light and heavy)	REFINING	OVERSEAS		ULSD	Y	CURRENT
E	CRUDE (light and heavy)	REFINING	CALIFORNIA		ULSD	Y	CURRENT
I IL	CRUDE (light and heavy)	REFINING	49 States		LPG	Y	CURRENT
	TAR SANDS	REFINING	N.AMERICA		ULSD	N*	CURRENT
	CRUDE	REFINING	CALIFORNIA		LPG	Y	CURRENT
N	NATURAL GAS	PROCESSING	OUTSIDE CA		LPG	Y	CURRENT
A	NATURAL GAS	PROCESSING	OUTSIDE CA		CNG	Y	CURRENT
T	NATURAL GAS	PROCESSING	OUTSIDE CA		LNG	Y	CURRENT
U	NATURAL GAS	PROCESSING	CALIFORNIA		LNG	Y	CURRENT
R	NATURAL GAS	PROCESSING	OUTSIDE CA	LNG	CNG	Y	LIKELY
A	NATURAL GAS	FISCHER-	OUTSIDE CA		FT DIESEL	Y	CURRENT
L		TROPSCH					
	NATURAL GAS	COMBUSTION	CALIFORNIA		ELECTRICITY	Y	CURRENT
G	NATURAL GAS	COMBUSTION	OUTSIDE CA		ELECTRICITY	Y	CURRENT
A	NATURAL GAS	REFORMING	CALIFORNIA	20% RPS	LIQUID H2	Y*	LIKELY
S	NATURAL GAS	REFORMING	CALIFORNIA	100% RPS	LIQUID H2	Y*	LIKELY
	NATURAL GAS	REFORMING	CALIFORNIA	PIPELINE	LIQUID H2	Y	LIKELY
	CORN (grown in mid-west)	DRY MILLING	49 States	NG	ETHANOL	Y	CURRENT

	GODAL (1.11)	DDIII MII DIG	GAT IEODAHA	110	EETTANOT	***	CLID D EN III
	CORN (grown in mid-west)	DRY MILLING	CALIFORNIA	NG	ETHANOL	Y	CURRENT
	CORN (grown in mid-west)	WET MILLING	49 States	NG	ETHANOL	Y	CURRENT
	CORN (grown in mid-west)	DRY MILLING	49 States	COAL	ETHANOL	Y	CURRENT
C	CORN (grown in mid-west)	WET MILLING	49 States	COAL	ETHANOL	Y	CURRENT
0	CORN (grown in mid-west)	WET MILLING	49 States	Ave.	ETHANOL	Y	CURRENT
\mathbf{R}				electricity			
N	CORN (grown in mid-west)	DRY MILLING	49 States	Ave.	ETHANOL	Y	CURRENT
1				electricity			
	CORN (grown in mid-west)	DRY MILLING	49 States	BIOMASS	ETHANOL	Y	CURRENT
	CORN (grown in mid-west)	DRY MILLING	49 States	BIOMASS	ETHANOL	Y	CURRENT
	,			+ COAL			
	SUGARCANE	PROCESSING	BRAZIL	Ave.	ETHANOL	Y [%]	CURRENT
				electricity			
			401 400000000	Topical continue and the second			
	SOYBEAN	ESTERIFICATION	OVERSEAS		BIODIESEL	Y	CURRENT
В							
Ι	PALM OIL	ESTERIFICATION	INDONESIA		BIODIESEL	N	CURRENT
O							
/	RAPE SEED/MUSTARD	ESTERIFICATION	CALIFORNIA		BIODIESEL	Y*	CURRENT
R							
\mathbf{E}	CANOLA	ESTERFICATION	CALIFORNIA		BIODIESEL	Y ^{\$}	LIKELY
N							
\mathbf{E}	CANOLA	THERMAL	CALIFORNIA		RENEWABLE	N	LIKELY
\mathbf{W}					DIESEL		
A	WASTE (MEAT	THERMAL	CALIFORNIA		RENEWABLE	N	LIKELY
В	PROCESSING)				DIESEL		
L	WASTE (MEAT	THERMAL	49 States		RENEWABLE	N	LIKELY
E	PROCESSING)				DIESEL		
	LANDFILL GAS	PROCESSING	CALIFORNIA		HYDROGEN	N	LIKELY

L		PROCESSING	CALIFORNIA		HYDROGEN	N	LIKELY
G	LANDFILL GAS	COMBUSTION	CALIFORNIA		ELECTRICITY	N*	CURRENT
				ALCONO DE LOS DE LA CASA DEL CASA DE LA CASA DEL CASA DE LA CASA D			
\mathbf{W}	AG WASTE	PROCESSING	CALIFORNIA		ETHANOL	Y	LIKELY
A							
S	AG WASTE	PROCESSING	49 States		ETHANOL	Y	LIKELY
\mathbf{T}	MUNI. WASTE	PROCESSING	CALIFORNIA		ETHANOL	N	MAYBE
E	MUNI WASTE	GASIFICATION	CALIFORNIA		FT DIESEL	N	LIKELY
E	MUNI WASTE	COMBUSTION	CALIFORNIA		ELECTRICITY	N*	CURRENT
				00 No No			
B	BIOMASS	GASIFICATION	CALIFORNIA		LIQUID H2	Y	LIKELY
I	BIOMASS	GASIFICATION	CALIFORNIA		HYDROGEN	Y	CURRENT
0	BIOMASS	COMBUSTION	CALIFORNIA		ELECTRICITY	Y	CURRENT
\mathbf{M}	BIOMASS	GASIFICATION	CALIFORNIA		FT DIESEL	Y	LIKELY
A	BIOMASS (POPLAR)	CELLULOSIC	CALIFORNIA		ETHANOL	Y	LIKELY
S	FOREST RESIDUE	CELLULOSIC	CALIFORNIA		ETHANOL	Y	LIKELY
	SWITCHGRASS	CELLULOSIC	CALIFORNIA		ETHANOL	Y	LIKELY
S							
		a Larry a Larry			THE DOCUMENT		
	PETROLEUM COKE	GASIFICATION	CALIFORNIA		HYDROGEN	N*	LIKELY
	PETROLEUM COKE	COMBUSTION	49 States		ELECTRICITY	N	CURRENT
	CO.11	COMPLICATION	10 a		Et EGEDIGIET	* 7	CURRENT
C	COAL	COMBUSTION	49 States		ELECTRICITY	Y	CURRENT
0							
A	COAL	DDOCEGGING	40.04		ET DIEGEI	Y	I HZELYZ
L	COAL	PROCESSING	49 States		FT DIESEL	Y	LIKELY
		Venezione. Acidos					
	ELECTRICITY	ELECTROLYSIS	49 States		HYDROGEN	Y	CURRENT
\mathbf{E}							
	ELECTRICITY	ELECTROLYSIS	CALIFORNIA	CA Grid	HYROGEN	Y*	LIKELY

L							
E	ELECTRICITY	ELECTROLYSIS	CALIFORNIA	70% RPS	HYDROGEN	Y*	LIKELY
C							
N	NUCLEAR	PROCESSING	49 States		ELECTRICITY	Y	CURRENT
U	NUCLEAR	PROCESSING	CALIFORNIA	4	ELECTRICITY	Y	CURRENT
C							
W	WIND POWER	GENERATION	49 States		ELECTRICITY	Y	CURRENT
Ι					A Comment		
N	WIND POWER	GENERATION	CALIFORNIA		ELECTRICITY	Y	CURRENT
\mathbf{D}							
			V00 00 00 00 00 00 00 00 00 00 00 00 00	Viologolia.			
S	SOLAR	GENERATION	CALIFORNIA		ELECTRICITY	Y	CURRENT
0							
L							
A	SOLAR	GENERATION	49 States		ELECTRICITY	Y	CURRENT
R							